

WHAT IS CLAIMED IS:

1. A connector of a bundle of optical fibers surrounded by an insulating medium which is surrounded by a cylindrical conductor, a plurality of strands of optical fiber at one end of the bundle of optical fibers being exposed,
5 comprising:

a ferrule comprising an axial lower channel for receiving the bundle of optical fibers, and an axial upper tunnel in communication with the channel; and

a rigid, cylindrical sheath received in the tunnel and comprising a bore having a diameter about the same as that of the channel for receiving the
10 bundle of optical fibers, an aperture through a closed end of the sheath, and an annular neck,

whereby inserting the bundle of optical fibers into the channel and the tunnel until being stopped with the strands of optical fiber passed the aperture, and pressing the sheath will break the sheath at the neck and compress the
15 neck inwardly into the sheath to form a narrow section around the bundle of optical fibers for fastening the strands of optical fiber which, in turn, are forced to insert through the aperture.

2. The connector of claim 1, wherein the neck comprises an inclined surface to form a narrow portion which is susceptible of break.

20 3. The connector of claim 1, further comprising a cylindrical base including a second channel having a diameter about the same as that of the channel and being in communication therewith so as to receive the bundle of optical fibers, and an upper socket for fastening a lower portion of the ferrule therein.